

TABLE 12. Company and other nonfederal funds for industrial R&D performance in the United States, by industry and size of company: 1999–2002
(Millions of dollars)

Industry and size of company	NAICS codes	1999 ^a	2000	2001	2002	Percent change 2002/2001
Distribution by industry:						
All industries	21–23, 31–33, 42, 44–81	160,176	180,421	181,606	174,408	-4
Manufacturing	31–33	99,865	110,750	109,221	98,240	-10
Food	311	1,132	1,145	1,818	2,034	12
Beverage and tobacco products	312	(D)	417	152	170	12
Textiles, apparel, and leather	313–16	334	266	255	248	-3
Wood products	321	70	105	181	132	-27
Paper, printing and support activities	322, 323	2,474	2,700	2,664	2,620	-2
Petroleum and coal products	324	(D)	1,172	1,057	1,233	17
Chemicals	325	20,051	20,768	17,713	20,395	15
Basic chemicals	3251	2,648	2,050	1,835	1,710	-7
Resin, synthetic rubber, fibers, and filament	3252	2,216	2,842	2,745	2,413	-12
Pharmaceuticals and medicines	3254	12,236	12,793	10,137	14,186	40
Other chemicals	325 minus (3251–52, 3254)	2,951	3,084	2,996	2,087	-30
Plastics and rubber products	326	1,785	1,675	2,245	1,508	-33
Nonmetallic mineral products	327	595	845	978	420	-57
Primary metals	331	457	598	479	461	-4
Fabricated metal products	332	1,608	1,631	1,545	1,251	-19
Machinery	333	5,658	6,539	6,337	6,366	0
Computer and electronic products	334	29,939	39,553	41,232	30,307	-26
Computers and peripheral equipment	3341	4,126	5,162	3,165	3,015	-5
Communications equipment	3342	5,797	11,183	15,209	6,420	-58
Semiconductor and other electronic components	3344	10,624	12,787	14,210	11,871	-16
Navigational, measuring, electromedical, and control instruments	3345	8,632	10,114	7,565	8,549	13
Other computer and electronic products	334 minus (3341–42, 3344–45)	760	307	1,083	452	-58
Electrical equipment, appliances, and components	335	3,820	3,390	4,680	1,978	-58
Transportation equipment	336	23,928	22,917	21,004	21,452	2
Motor vehicles, trailers, and parts	3361–63	17,987	18,306	16,089	15,199	-6
Aerospace products and parts	3364	5,309	3,895	4,083	5,349	31
Other transportation equipment	336 minus (3361–64)	632	716	832	905	9
Furniture and related products	337	248	284	301	251	-17
Miscellaneous manufacturing	339	3,825	4,195	6,581	7,414	13
Medical equipment and supplies	3391	3,251	3,741	5,903	6,179	5
Other miscellaneous manufacturing	339 minus (3391)	574	453	678	1,235	82
Other manufacturing	31–33 minus (311–16, 321–27, 331–37, 339)	--	--	--	--	(na)
Nonmanufacturing	21–23, 42, 44–81	60,311	69,671	72,384	76,168	5
Mining, extraction, and support activities	21	2,352	822	846	715	-15
Utilities	22	126	136	114	117	3
Construction	23	690	222	320	164	-49
Trade	42, 44, 45	19,521	24,929	24,284	25,014	3
Transportation and warehousing	48, 49	460	277	1,776	339	-81
Information	51	14,892	16,290	17,259	17,764	3
Publishing	511	11,253	12,926	13,716	13,488	-2
Newspaper, periodical, book, and database	5111	371	365	649	614	-5
Software	5112	10,882	12,561	13,067	12,874	-1

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Distribution by industry:						
Broadcasting and telecommunications	513	1,393	1,025	1,270	1,637	29
Radio and television broadcasting	5131	(D)	(D)	(D)	(D)	(na)
Telecommunications	5133	(D)	(D)	1,101	1,608	46
Other broadcasting and telecommunications	513 minus (5131, 5133)	18	59	(D)	(D)	(na)
Other information	51 minus (511, 513)	2,246	2,339	2,273	2,639	16
Finance, insurance, and real estate	52, 53	1,570	4,024	2,424	1,903	-21
Professional, scientific, and technical services	54	14,379	17,949	22,640	24,946	10
Architectural, engineering, and related services	5413	2,402	2,232	2,365	2,822	19
Computer systems design and related services	5415	3,989	4,943	8,656	10,394	20
Scientific R&D services	5417	7,413	9,715	10,893	10,735	-1
Other professional, scientific, and technical services	54 minus (5413, 5415, 5417)	575	1,059	726	996	37
Management of companies and enterprises	55	72	49	381	148	-61
Health care services	621–23	631	477	1,120	4,163	272
Other nonmanufacturing	56, 61, 624, 71, 72, 81	640	713	1,221	894	-27
Distribution by size of company (number of employees):						
Total	(na)	160,176	180,421	181,606	174,408	-4
5 to 24	(na)	6,393	5,940	4,175	3,471	-17
25 to 49	(na)	4,382	4,786	3,548	3,586	1
50 to 99	(na)	6,623	6,745	7,654	5,701	-26
100 to 249	(na)	6,540	8,351	12,012	12,622	5
250 to 499	(na)	7,407	6,819	8,143	7,370	-9
500 to 999	(na)	6,441	8,580	9,936	9,394	-5
1,000 to 4,999	(na)	23,944	29,860	26,140	27,640	6
5,000 to 9,999	(na)	14,182	15,143	15,836	16,414	4
10,000 to 24,999	(na)	24,525	27,976	26,161	25,232	-4
25,000 or more	(na)	59,740	66,221	68,001	62,979	-7

(D) = data have been withheld to avoid disclosing operations of individual companies; (--) = indicates data not collected; (na) = not applicable.

^a Some statistics for 1999 have been revised since originally published.

NOTES: The R&D in this table is the industrial R&D performed within company facilities funded from all sources except the federal government. The funds predominantly are the company's own, but also include funds from outside organizations such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments. Excluded from this table are company-funded R&D not performed within the company (e.g., R&D contracted out to other organizations) and company-funded R&D not performed within the 50 U.S. states or DC (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations). For information on sampling for 1999–2002, see appendix A, Technical Notes.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2002.